

RECEIVED
CENTRAL FAX CENTER

NOV 13 2006

PATENT

Serial No. 10/020,019

Amendment in Reply to Office Action of December 19, 2005

And Notice of Abandonment of September 14, 2006

IN THE ABSTRACT

Please amend the Abstract as shown in the enclosed Replacement
Abstract.

RECEIVED
CENTRAL FAX CENTER

NOV 13 2006

PATENT

Serial No. 10/020,019

Amendment in Reply to Office Action of December 19, 2005
And Notice of Abandonment of September 14, 2006REPLACEMENT ABSTRACT

A digital signal processing apparatus includes multiple functional units each adapted to execute operations, and control circuitry for controlling the functional units. The control circuitry includes multiple control units, at least one control unit being operatively associated with a respective functional unit for controlling its function, and each functional unit is adapted to execute operations in an autonomous manner under control of the control unit associated therewith. FIFO (~~first-in/first-out~~ first-in/first-out) register circuitry may be provided for supporting data-flow communication among ~~said the~~ functional units.